Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/04/2018 10:36 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124636	-1	1.81	124697	1.79
Blue	F	SSC	125000	124337	-1	1.92	124989	1.90
Blue	E	FITC	15760	15281	-4	2.94	329	22.71
Blue	D	PE	25880	25260	-3	2.02	548	17.06
Blue	B	PerCP-Cy5-5	34075	33805	-1	4.17	1028	22.65
Blue	A	PE-Cy7	22776	23441	2	7.33	565	45.43
Red	C	APC	42488	41849	-2	2.73	1589	13.43
Red	A	APC-Cy7	24478	24092	-2	2.88	826	13.23
Violet	B	V450	6304	6118	-3	4.19	341	17.11
Violet	A	V500	26005	25098	-4	3.73	588	13.26

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20503	8.01	605	8	N/A	N/A	Pass
Blue	F	SSC	56276	1.32	569	14	N/A	N/A	Pass
Blue	E	FITC	57	75.94	559	3	0.0155	198	Pass
Blue	D	PE	115	57.86	553	4	0.1204	276	Pass
Blue	B	PerCP-Cy5-5	196	56.13	653	6	0.0075	106	Pass
Blue	A	PE-Cy7	112	113.05	709	12	0.0091	32	Pass
Red	C	APC	375	27.68	602	2	0.0192	80	Pass
Red	A	APC-Cy7	203	28.61	573	2	0.0044	718	Pass
Violet	B	V450	55	80.41	489	0	0.0335	2953	Pass
Violet	A	V500	88	45.74	506	0	0.0128	1047	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.52	-30.87	0.94
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	16.05	13.60 - 20.40	N/A	N/A	30.67	31.37	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 10621

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments